## Listing of the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Canceled) A method of treating water comprising:

introducing water into an electrochemical device to produce treated water and a concentrate stream:

recirculating at least a portion of the concentrate stream in a concentrating compartment of the electrochemical device; and

discharging a predetermined portion of the concentrate-stream-according to a predetermined discharge schedule.

- (Canceled) The method of claim 1 further comprising repeating discharging a
  predetermined portion of the concentrate stream.
- (Canceled) The method of claim 2 further comprising reversing an electric field applied across the electrochemical device according to a predetermined charge schedule.
- (Canceled) The method of claim 3 further comprising measuring a treated water property.
- (Canceled) The method of claim 4 further comprising adjusting the predetermined discharge schedule based on the treated water property.
- (Canceled) The method of claim 5 wherein discharging a predetermined portion
  of the concentrate stream comprises actuating a flow regulator.
- (Canceled) The method of claim 6 further comprising applying a positive charge on the flow regulator.

- (Canceled) The method of claim 7 wherein applying a positive charge follows a
  predetermined charge schedule.
- 9. (Canceled) The method of claim 8 wherein the flow regulator comprises a valve.
- 10. (Canceled) The method of claim 4 further comprising adjusting the predetermined portion of the concentrate stream based on the treated water property.
- (Canceled) The method of claim 4 further comprising calculating a LSI of the treated water.
- (Canceled) The method of claim 11 further comprising optimizing the predetermined discharge schedule based on the calculated LSI.
- (Canceled) The method of claim 1 wherein discharging the predetermined portion of the concentrate stream comprises introducing the predetermined portion of the concentrate stream to an irrigation system.
- (Canceled) The method of claim 1 wherein the produced treated water is suitable for household applications.
- (Withdrawn) An electrochemical device comprising:
   a concentrating compartment; and
- a positively-charged flow regulator positioned downstream of the concentrating compartment.
- 16. (Withdrawn) The device of claim 15 further comprising a power source for applying a positive electrical charge to the positively-charged flow regulator according to a predetermined charge schedule.

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17. (Withdrawn) The device of claim 15 wherein the positively-charged flow regulator comprises a valve.

- 18. (Withdrawn) The device of claim 15 wherein the positively-charged flow regulator comprises a plate with a flow orifice.
- (Withdrawn) The device of claim 15 wherein the positively-charged flow regulator comprises a graphite material.
- 20. (Withdrawn) The device of claim 15 wherein the positively-charged flow regulator comprises a diaphragm valve.
- 21. (Withdrawn) A method of facilitating water treatment comprising providing an electrochemical device comprising a concentrating compartment and a flow regulator positioned downstream of the concentrating compartment, the flow regulator constructed an arranged to have a positive charge during operation of the electrochemical device.
- 22. (Canceled) A method of treating water comprising: introducing water into an electrochemical device to produce treated water; storing at least a portion of the treated water; ceasing production of the treated water; and replacing any fluid in the electrochemical device with the treated water.
- 23. (Canceled) The method of claim 22 further comprising flushing the fluids from the electrochemical device after ceasing treated water production.
- 24. (Canceled) The method of claim 23 wherein the electrochemical device is flushed with treated water.

25. (Currently Amended) A system comprising:

a point-of-entry;

an electrochemical device comprising a depleting compartment and a concentrating compartment, fluidly connected to the point-of-entry;

a positively-charged flow regulator fluidly connected downstream of the concentrating compartment and having a charge sufficient to generate hydrogen ions in the fluid therein;

a reservoir system fluidly connected to the depleting compartment; and a point of use fluidly connected to the reservoir system.

- 26. (Original) The system of claim 25 further comprising a power source for applying a positive electrical charge on the flow regulator according to a predetermined charge schedule.
- 27. (Original) The system of claim 25 further comprising a power source for applying an electrical field to the electrochemical device.
- 28. (Original) The system of claim 25 wherein the flow regulator comprises a valve.
- 29. (Original) The system of claim 25 wherein the flow regulator is disposed to discharge a predetermined volume of a fluid according to a predetermined discharge schedule.
- 30. (Original) The system of claim 25 wherein the flow regulator comprises a plate having a flow orifice.
- 31. (Original) The system of claim 25 wherein the reservoir system has a pressure that is above atmospheric pressure.
- 32. (Original) The system of claim 25 wherein the point of use comprises a household appliance.

(Withdrawn-Currently Amended) An electrodeionization device comprising:
 a concentrating compartment; and

a flow regulator regulated by a controller according to a predetermined discharge schedule and fluidly connected downstream of the concentrating compartment for regulating a flow of a waste stream to a drain, the flow regulator has an applied positive charge sufficient to generate hydrogen ions.

- (Withdrawn) The device of claim 33 wherein the flow regulator comprises a valve.
- 35. (Withdrawn-Currently Amended) The device of claim 33 further comprising an electric power source for applying [[a]]the positive charge on the flow regulator.
- 36. (Withdrawn) The device of claim 35 wherein the controller regulates the electric power source applying the positive charge according to a predetermined charge schedule.
- (Withdrawn-Currently Amended) A method of softening water comprising: introducing water to a depleting compartment of an electrochemical device to produce softened water;

recirculating a concentrating stream in a concentrating compartment of the electrochemical device; and

changing a pH of the concentrating stream proximate a flow regulator <u>by applying an electrical charge on the flow regulator</u>.

- 38. (Withdrawn) The method of claim 37 wherein changing the pH of the concentrating stream changes the pH to less than about 7.
- (Canceled) The method of claim 37 wherein changing the pH comprises generating hydrogen ions.

- (Canceled) The method of claim 39 wherein generating hydrogen ions comprises applying an electrical charge on the flow regulator.
- (Withdrawn-Currently Amended) The method of claim [[40]]37 wherein the electrical charge is applied according to a predetermined charge schedule.
- 42. (Withdrawn) The method of claim 41 further comprising measuring a property of the softened water.
- 43. (Withdrawn) The method of claim 42 wherein adjusting the pH comprises generating hydrogen ions.
- 44. (Withdrawn-Currently Amended) The method of claim 42 wherein adjusting the pH <u>comprises</u> applying [[an]]the electrical charge on the flow regulator according to a charge schedule.
- (Withdrawn) The method of claim 44 further comprising adjusting the charge schedule based on the softened water property.
- 46. (Canceled) An electrodeionization device comprising: a concentrating compartment with a flowing waste stream; and a diaphragm valve for regulating a portion of the flowing waste stream from the concentrating compartment to a drain.
- (Canceled) The electrodeionization device of claim 46 wherein the diaphragm valve is actuated according to a predetermined schedule.
- 48. (Withdrawn-Currently Amended) An electrodeionization device comprising: a concentrating compartment with a flowing waste stream; and means for discharging a portion of the waste stream from the concentrating compartment to a drain according to a predetermined schedule; and

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means for generating hydrogen ions in a fluid flowing through said discharging means.

- (Canceled) The electrodeionization device of claim 48 further comprising means for applying a positive charge on the means for discharging a portion of the waste stream.
- 50. (Withdrawn) The electrodeionization device of claim 48 further comprising means for adjusting the predetermined schedule.
- (Canceled) The electrodeionization device of claim 48 further comprising means for generating hydrogen ions species in the fluid surrounding the means for discharging.
- 52. (Withdrawn) An electrochemical device comprising: a concentrating compartment with a waste stream; means for discharging the waste stream to a drain; and means for applying a positive charge on the means for discharging the waste stream.
- 53. (Canceled) A method of facilitating fluid treatment comprising providing a fluid treatment system comprising an electrochemical device comprising a depleting compartment and a flow regulator regulated by a controller according to a predetermined discharge schedule and fluidly connected downstream of the concentrating compartment for regulating a flow of a waste stream to a drain.
- 54. (Canceled) The method of claim 53 further comprising connecting the water treatment system to a household point of entry.
- 55. (Canceled) The method of claim 53 further comprising connecting the water treatment system to a household point of use.